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(54) Title: HEAT-SENSITIVE POSITIVE WORKING LITHOGAPHIC PRINTING PLATE PRECURSOR

(57) Abstract: Heat-sensitive element comprising a) an optionally pretreated substrate; b) a positive working coating comprising (i) at least 40 wt.-%, based on the dry weight of the coating, of at least one polymer soluble in aqueous alkaline developer selected from novolak resins, functionalized novolak resins, polyvinylphenol resins, polyvinyl cresols and poly(meth)acrylates with phenolic and/or sulfonamide side groups, (ii) 01-20 wt.-%, based on the dry weight of the coating, of at least one (C₄-C₂₀ alkyl)phenol novolak resin insoluble in aqueous alkaline developer, and (iii) optionally at least one further component selected from polymer particles, surfactants, contrast dyes and pigments, inorganic fillers, antioxidants, print-out dyes, carboxylic acid derivatives of cellulose polymers, plasticizers and substances capable of absorbing radiation of a wavelength from the range of 650 to 1,300 nm and converting it into heat.

